

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 5

Application Number	10/551,870
Filing Date	11/16/2005
First Named Inventor	Benny Bang-Andersen
Art Unit	1625
Examiner Name	David K. O'Dell
Attorney Docket Number	435-US-PCT

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (<i>if known</i>)			
A	US-	3,803,143	04-09-1974	Tanaka, et al.	
B	US-	4,018,830	04-19-1977	Christy, M.E.	
C	US-	4,055,665	10-25-1977	Christy, M.E.	
D	US-	4,056,632	11-01-1977	Mehta, N., et al.	
E	US-	4,066,654	01-03-1978	Adelstein, G.W., et al.	
F	US-	4,198,419	04-15-1980	Ong, H.H. and Profitt, J.A.	
G	US-	5,095,039 A	03-10-1992	Mehta, N.B. and Brieaddy, L.E.	
H	US-	6,410,736 B1	06-25-2002	Howard, H.R., Jr. and Adam, M.D.	
I	US-	6,436,938 B1	08-20-2002	Howard, H.R., Jr.	
J	US-	6,596,741 B2	07-22-2003	Howard, H.R. and Adam, M.D.	
	US-				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)				
K	EP 0 396 827 A1		11-14-1990	SPOFA Spojene Podniky Pro		
L	EP 0 402 097 A1		12-12-1990	The Wellcome Foundation Limited		
M	EP 0 814 084 A1		12-29-1997	Eli Lilly and Company		
N	EP 0 921 124 A1		06-09-1999	Pfizer Limited		
O	WO 93/12080 A1		06-24-1993	The Wellcome Foundation Limited		
P	WO 97/17325 A1		05-15-1997	Farmak A.S.		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.		Complete if Known	
Substitute for form 1449/PTO		Application Number	10/551,870
		Filing Date	11/16/2005
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		First Named Inventor	Benny Bang-Andersen
		Art Unit	1625
		Examiner Name	David K. O'Dell
Sheet	2	of	5
		Attorney Docket Number	435-US-PCT

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	Q	WO 97/17352 A1	05-15-1997	Gist-Brocades B.V.		
	R	WO 98/08817 A1	03-05-1998	American Home Products Corporation		
	S	WO 99/17777 A1	04-15-1999	Merck & Co., Inc.		
	T	WO 00/59878 A2	10-12-2000	ICOS Corporation		
	U	WO 00/66537 A1	11-09-2000	Kung, Hank F.		
	V	WO 01/10842 A2	02-15-2001	Millennium Pharmaceuticals, Inc.		

Examiner Signature		Date Considered	
-------------------------------	--	----------------------------	--

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/551,870
		Filing Date	11/16/2005
		First Named Inventor	Benny Bang-Andersen
		Art Unit	1625
		Examiner Name	David K. O'Dell
Sheet	3	of	15
		Attorney Docket Number	

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	W	WO 01/049678 A1	07-12-2001	H. Lundbeck A/S		
	X	WO 02/62766 A2	08-15-2002	Millennium Pharmaceuticals, Inc.		
	Y	WO 02/98857 A1	12-12-2002	F. Hoffman-La Roche AG		
	Z	WO 03/55873 A1	07-10-2003	H. Lundbeck A/S		
	AA	WO 04/85385 A2	10-07-2004	Schering Corporation		
	BB	WO 05/00309 A2	01-06-2005	Ionix Pharmaceuticals Limited		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/551,870
				Filing Date	11/16/2005
				First Named Inventor	Benny Bang-Andersen
				Art Unit	1625
				Examiner Name	David K. O'Dell
Sheet	4	of	5	Attorney Docket Number	435-US-PCT

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	CC	Axford, L. et al., "Bicyclo[2.2.1]heptanes as Novel Triple Re-uptake Inhibitors for the Treatment of Depression", Bioorg. Med. Chem. Lett., 2003, 13:3277-3280.			
	DD	Emond, P., et al., "Substituted Diphenyl Sulfides as Selective Serotonin Transporter Ligands: Synthesis and In Vitro Evaluation", J. Med. Chem., 2002, 45(6):1253-1258.			
	EE	Hawkins, D.G., et al., "Competitive Cyclisation of Singlet and Triplet Nitrenes. Part 7. Reaction Pathways of 2-Azidophenyl Benzothienyl Azides", J. Chem. Soc., Perkin Trans. I, 1979, 3207-3210.			
	FF	Jackson, A., et al., "Electrophilic Substitution in Indoles Part 16. The Formation of Indolobenzothiazines and Indolobenzothiazepines by Intramolecular Cyclisation of (o-Nitrophenylthio)indoles", J. Chem. Res. Miniprint 9, 1988, 2017-2063.			
	GG	Jilek, J., et al., "Potential Antidepressants: 2-(Methoxy- and Hydroxy-Phenylthio)Benzylamines as Selective Inhibitors of 5-Hydroxytryptamine Re-uptake in the Brain", Collect. Czech. Chem. Commun., 1989, 54:3294-3338.			
	HH	Kunz, K., et al. "Renaissance of Ullmann and Goldberg Reactions -- Progress in Copper Catalyzed C-N-, C-O- and C-S-Coupling". Synlett. 2003, 15: 2428-2439.			
	II	Oya, S., et al., "A New Single-Photon Emission Computed Tomography Imaging Agent for Serotonin Transporters: [123I]IDAM, 5-Iodo-2-((2-((dimethylamino)methyl)-phenyl)thio)benzyl Alcohol", J. Med. Chem. 1999, 42(3):333-335.			
	JJ	Oya, S., et al., "New PET Imaging Agent for the Serotonin Transporter: [18F]ACF (2-[(2-Amino-4-chloro-5-fluorophenyl)thio]-N,N-dimethyl-benzenemethanamine)", J. Med. Chem. 2002, 45 (21):4716-4723.			
	KK	Ragno, R., et al., "Docking and 3-D QSAR Studies on Indolyl Aryl Sulfones. Binding Mode Exploration at the HIV-1 Reverse Transcriptase Non-Nucleoside Binding Site and Design of Highly Active N-(2-Hydroxyethyl)carboxamide and N-(2-hydroxyethyl)carbohydrazide Derivatives", J. Med. Chem., 2005, 48(1):213-223.			
	LL	Silvestri, R., et al., "Novel Indolyl Aryl Sulfones Active Against HIV-1 Carrying NNRTI Resistance Mutations: Synthesis and SAR Studies", J. Med. Chem. 2003, 46(12):2482-2493.			

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
 This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for form 1449/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use as many sheets as necessary)</p>				Complete if Known			
				Application Number		10/551,870	
				Filing Date		11/16/2005	
				First Named Inventor		Benny Bang-Andersen	
				Art Unit		1625	
				Examiner Name		David K. O'Dell	
Sheet	5	of	5	Attorney Docket Number		435-US-PCT	

NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO:**
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.